64W Max Power Offline X-Ray Inspection Machine with IRAY A-Si Flat Panel Detector and Open Micro-focus 20-160KV X-ray Source

Our Product Introduction

Basic Information

- Brand Name: Wisdomshow
- Model Number: S8800
- Minimum Order Quantity: 1SET
- Packaging Details: Wooden Case
- Delivery Time: 5-8 working days
- Payment Terms: T/T
- Supply Ability: 200Sets / Month



Product Specification

- Focal Spot Size: 2μm
- X-ray Source: Open Micro-focus, 20–160KV
- Detector: IRAY A-Si Flat Panel, 130mm×130mm
- Min Defect Resolution: 1μm
- Current: 0.01–1 MA
- Max Power: 64W
- Highlight: **64W Max Power Offline X-Ray Inspection Machine** , **IRAY A-Si Flat Panel Detector Industrial X-Ray Machine** , **Open Micro-focus 20-160KV X-ray Source X-Ray Inspection System**



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Product Description

Product Description:

The Offline X-Ray Inspection Machine is a state-of-the-art Industrial X Ray Machine designed to deliver exceptional precision and reliability for a wide range of industrial applications. Engineered with advanced technology, this inspection tool is ideal for detecting the smallest defects in materials and components, ensuring high-quality standards and enhancing overall production efficiency. With a minimum defect resolution of less than 1µm, this machine guarantees unparalleled accuracy, making it one of the most effective Industrial X Ray Machines available in the market today.

At the heart of this Offline X-Ray Inspection Machine lies a powerful open micro-focus X-ray source, capable of operating within a voltage range of 20 to 160KV. This versatile power range allows the machine to inspect various materials and thicknesses with ease, from delicate electronics to dense mechanical parts. The maximum power output of 64W ensures consistent and stable X-ray generation, which is crucial for obtaining clear and detailed images during the inspection process.

The detector used in this Industrial X Ray Machine is the IRAY A-Si Flat Panel, measuring 130mm by 130mm. This high-performance flat panel detector offers excellent image quality and sensitivity, enabling precise visualization of internal structures without causing any damage to the inspected objects. The large detector size facilitates scanning of bigger samples, enhancing the machine's versatility and productivity in different industrial settings.

One of the remarkable features of this Offline X-Ray Inspection Machine is its adjustable current range, from as low as 0.01 MA to 1 MA. This wide current range ensures optimal X-ray intensity for various inspection requirements, allowing operators to customize settings based on the specific type of material or defect size they are targeting. This flexibility makes the machine an indispensable inspection tool for quality control, failure analysis, and research and development in numerous industries.

Designed with user convenience and safety in mind, this Industrial X Ray Machine incorporates advanced shielding and ergonomic controls. The offline configuration allows the operator to perform detailed inspections away from the production line, minimizing disruptions and enhancing operational safety. The machine's intuitive interface and software integration provide seamless image acquisition, processing, and analysis, making it accessible even to users with minimal training.

In addition to its technical excellence, the Offline X-Ray Inspection Machine is built to withstand demanding industrial environments. Its robust construction and reliable components ensure long-term durability and consistent performance, reducing maintenance costs and downtime. This makes it a cost-effective investment for companies seeking to improve their inspection capabilities and maintain stringent quality standards.

Whether used in electronics manufacturing, automotive production, aerospace, or material science laboratories, this Industrial X Ray Machine proves to be an invaluable inspection tool. It enables precise detection of flaws such as cracks, voids, inclusions, and other imperfections that could compromise product integrity. By integrating this cutting-edge inspection technology into their quality assurance processes, manufacturers can significantly reduce the risk of defective products reaching the market.

In summary, the Offline X-Ray Inspection Machine combines high resolution, powerful X-ray generation, and advanced detection capabilities to deliver superior inspection results. Its features, including a minimum defect resolution of less than 1µm, 64W maximum power, IRAY A-Si flat panel detector, open micro-focus X-ray source operating between 20 and 160KV, and adjustable current from 0.01 to 1 MA, make it an essential Industrial X Ray Machine and inspection tool for modern industrial applications. Investing in this technology means enhancing product quality, ensuring safety, and optimizing manufacturing processes with confidence.

Features:

Product Name: Offline X-Ray Inspection Machine
Detector: IRAY A-Si Flat Panel, 130mm*130mm
X-ray Source: Open Micro-focus, 20–160KV
Maximum Power: 64W
Current Range: 0.01–1 MA
Minimum Defect Resolution: <1µm
High precision SMT X Ray Machine for detailed inspection
Advanced Electronics X Ray Machine suitable for various inspection needs
Reliable Inspection Tools designed to enhance quality control processes

Technical Parameters:

Focal Spot Size	2µm
Min Defect Resolution	1µm
Max Power	64W
Detector	IRAY A-Si Flat Panel, 130mm*130mm
X-ray Source	Open Micro-focus, 20–160KV
Current	0.01–1 MA

Applications:

The Wisdomshow S8800 Offline X-Ray Inspection Machine is an advanced inspection tool designed to meet the rigorous demands of modern industrial and electronic manufacturing environments. Equipped with an open micro-focus X-ray source operating between 20 and 160KV and a focal spot size of just 2µm, this machine delivers exceptional imaging precision. Its ability to detect defects smaller than 1µm ensures unparalleled accuracy for quality control processes.

One of the primary application occasions for the Wisdomshow S8800 is in the inspection of Ball Grid Array (BGA) components. The BGA

X Ray Inspection Machine is invaluable for identifying solder joint defects, voids, and misalignments that are invisible to conventional optical inspection methods. This makes it an indispensable tool in electronics manufacturing, especially for printed circuit board (PCB) assembly lines where reliability and safety are paramount.
In addition to electronics, the Wisdomshow S8800 is widely used across various industrial sectors that require non-destructive testing and precise internal inspection. Its industrial X-ray tube, with a maximum power of 64W and adjustable current from 0.01 to 1 MA, allows users to tailor the inspection parameters to suit different materials and component sizes. This versatility makes it suitable for inspecting automotive parts, aerospace components, medical devices, and even packaging materials.
The offline nature of the S8800 model enables operators to perform detailed inspections without disrupting production lines, facilitating thorough quality assurance in lab environments or dedicated inspection rooms. This is particularly beneficial for failure analysis, research and development, and small batch testing where high resolution and defect detection sensitivity are critical.
Overall, the Wisdomshow S8800 Offline X-Ray Inspection Machine stands out as a powerful, precise, and flexible inspection tool. It is ideal for industries that demand high-resolution imaging and reliability, helping manufacturers ensure product integrity and maintain stringent quality standards across various inspection scenarios.

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